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DES Calibrations Telecon:

14 January 2008

- First of the weekly DES Calibrations Telecons
- Telecons will be:
 - Every Wednesday at 2PM
 - Short
 - ≤ 1 hour long for most meetings
 - Longer (2 hours) if special circumstances dictate
- Usual telecon format:
 - A presentation (20-min time slot), often by external experts
 - Weekly updates



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Welcome!

- South Bay Consortium
 - David Burke
 - Calibrations Scientist for LSST
 - Rafe Schindler
 - Taking over DES Cloud Camera responsibilities
- White Dwarf Calibrations Sub-Group (not quite official just yet...)
 - J. Allyn Smith (APSU)
 - Lead of WD Calibration Sub-group



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This Week's Agenda

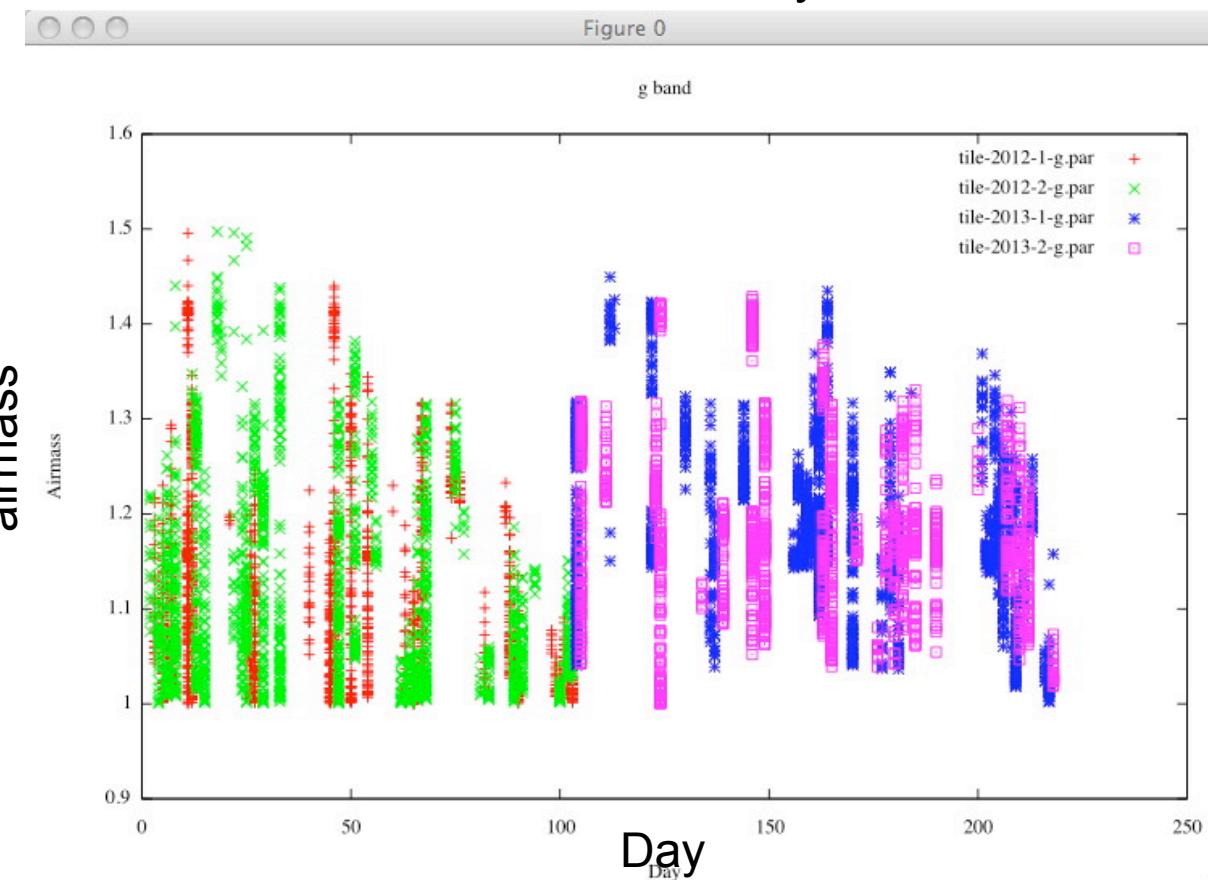
- The WIYN One-Degree Imager (ODI) -- Dan Harbeck
- Updates:
 - PreCam (Douglas Tucker, Darren DePoy, Steve Kuhlmann)
 - White Dwarf Calibrations (J. Allyn Smith)
 - Flat Fielding + Systems Response Screen (Darren DePoy)
 - CTIO Observing Runs
 - October 2008 CTIO-1m Observing Run Data Processing (Douglas Tucker)
 - Upcoming CTIO Observing Runs
 - DES (Darren DePoy)
 - Joint LSST-DES (David Burke)
 - Current Calibration Results from DESDM DC4 (Choong Ngeow, Joe Mohr)
-- postponed
 - Other
 - Calibrations Work Breakdown Structure (WBS) and Milestones



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PreCam

- Initial version of a PreCam document available (DES-doc-2374)
- DLT: Not too much progress over the past month
- DLT: Started work on simulating extinction measurements based on lists of airmasses from Jim Annis's Survey Simulations:





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White Dwarf Calibrations Sub-Group



Flat-Fielding and System Response Screen

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Oct 2008 Observing Run Reductions

- Oct 2008 run
 - 7 nights
 - Darren DePoy, Juan Estrada, Brian Nord, Brenna Flaugher
 - DECam 2k x 2k CCD
 - SDSS griz not available, Y not available
 - Used BVRI, Gunn griz, 945nm H20-feature band
 - Tests of CCD and electronics
 - Analysis by Juan Estrada (DES-doc-2245) & Brian Nord (p.19 of DES-doc-2373)
 - Further H20-band tests, astrometry tests, scattered light tests, ...
 - Analysis pending (Douglas Tucker & Brian Nord)





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Future CTIO-1m Runs



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Joint LSST-DES Run



Current Calibration Results from DC4

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Report post-poned till next week.



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Other -- Calibration WBS and Milestones

- 5.0. Calibrations
- 5.1. Management (Calibration Plan, Requirements, Error Budget)
- 5.2. Flux Standards
 - 5.2.1. White Dwarfs
 - 5.2.2. Nightly Standard Stars
- 5.3. Astrometric Standards
- 5.4. Auxiliary Equipment
 - 5.4.1. Cloud Camera
 - 5.4.2. System Response Measuring Engine
 - 5.4.3. PreCam – MOUand simulations
 - 5.4.4. CTIO-1m
- 5.5. Filters/Optics/CCDs/atmosphere
- 5.6. Strategy
 - 5.6.1. Survey Strategy
 - 5.6.2. Calibration Plan
 - 5.6.3. Interaction with other Surveys (VHS, LSST, PanStarrs, SkyMapper, WIYN ODI)
 - 5.6.4. Community Use
 - 5.6.5. R&D